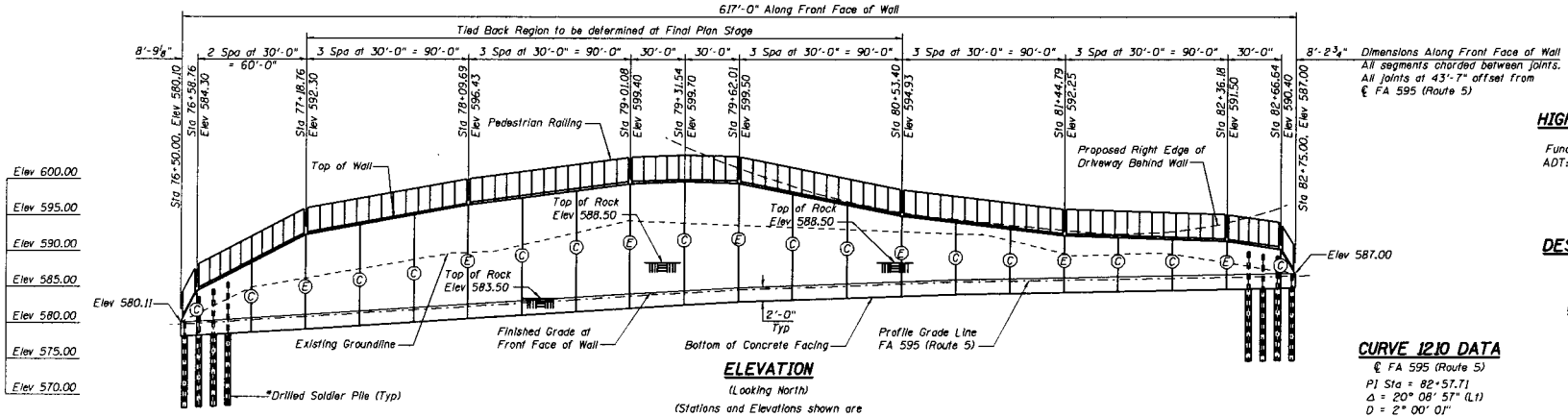
Bench Mark: B.M. Chiseled "a" End of SW Bridge Wingwall at Station 74+71.0, 26' Rt. Elevation = 580.39.
R.R. Spike in Power Pole at Station 82+56.00, 44.5' Rt. Elevation = 580.37.

Existing Structure: None

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

595	1-1	ROCK ISLAND			SHEET NO. 1
					2 SHEETS



ELEVATION

(Looking North)

(Stations and Elevations shown are at vertical kink points along the Front Face Top of Wall)

HIGHWAY CLASSIFICATION

FA 595 (IL Route 5)
Functional Class: Principal Arterial
ADT: 21,700 (2003); 31,700 (2023)
DHV: 2840 (2023)
Design Speed: 45 m.p.h.
Posted Speed: 45 m.p.h.

DESIGN SPECIFICATIONS

2002 AASHTO

DESIGN STRESSES

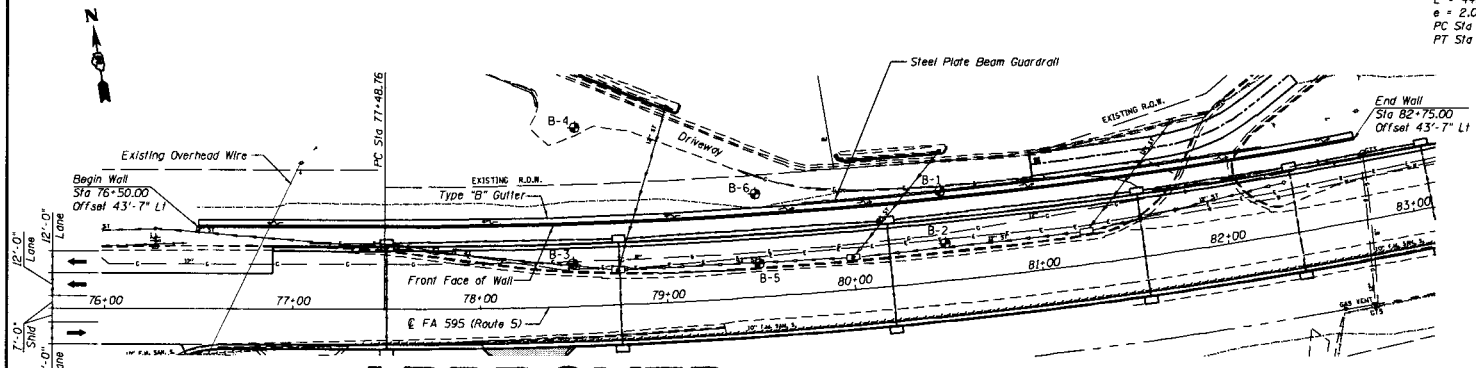
FIELD UNITS

f'_c = 3,500 psi
f_y = 60,000 psi (reinforcement)
f_y = 50,000 psi (structural steel)

CURVE 1210 DATA

℄ FA 595 (Route 5)

PI Sta = 82+57.71
Δ = 20° 08' 57" (Lt)
D = 2° 00' 01"
R = 2,864.59'
T = 508.95'
L = 1,007.39'
E = 44.86'
e = 2.00%
PC Sta = 77+48.76
PT Sta = 87+56.15



LEGEND

- Ⓒ Construction Joint
- Ⓔ Expansion Joint
- Existing Electric
- Existing 10" Forced Main Sanitary Sewer
- Existing 12" Gas
- Existing 8" Gas
- Existing Property Line
- Existing 12" Storm
- B-4 Soil Boring Location
- Existing Watermain
- Proposed Storm Sewer

APPROVED

PLAN

OCT 1 8 2004

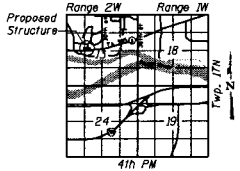
AS A BASIS FOR
PREPARATION OF DETAILED PLANS

DESIGNED	-	NDR
CHECKED	-	DSE
DRAWN	-	RTT
CHECKED	-	DSE
DATE	-	OCT 4, 2004

NOTES:

Existing Storm Pipe shown passing through the Proposed Retaining Wall shall be relocated and connected to new storm drain system.

*Soldier Pile spacing to be determined at final design stage.

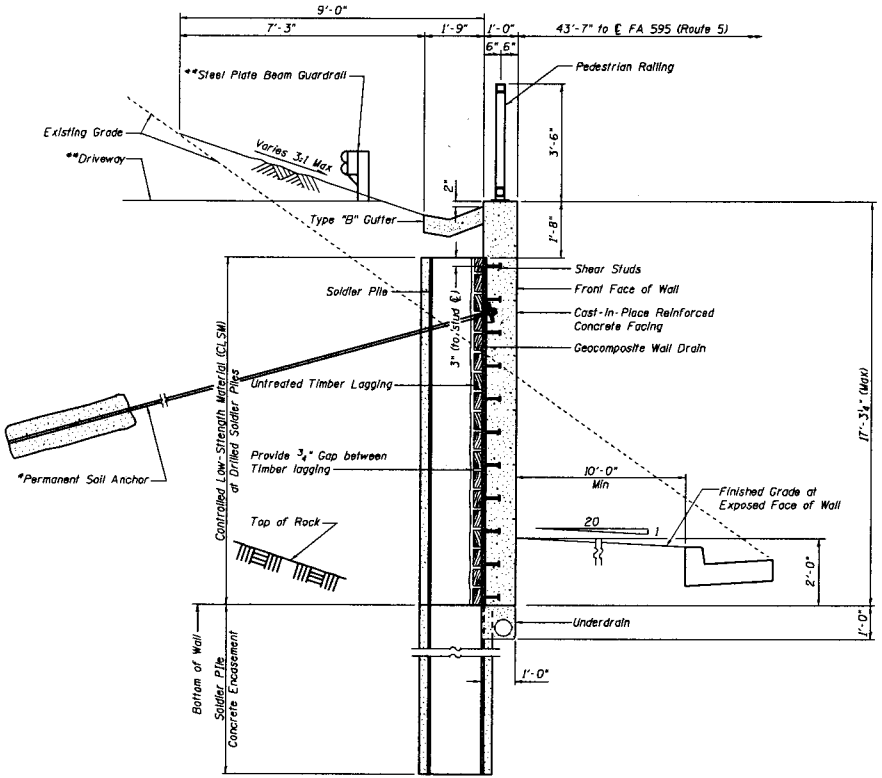


LOCATION SKETCH

GENERAL PLAN
RETAINING WALL D ALONG
IL ROUTE 5
FA 595 (IL ROUTE 5) SECTION 1-1
ROCK ISLAND COUNTY
STA 76+50.00 TO STA 82+75.00
STRUCTURE NO. 081-W006

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

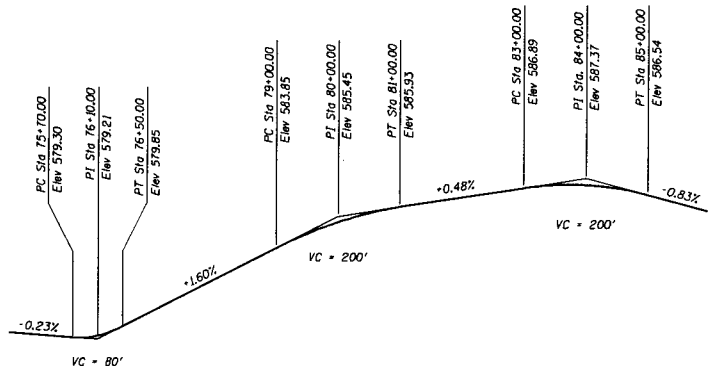
595	1-1	ROCK ISLAND			SHEET NO. 2 2 SHEETS



TYPICAL SECTION

*Type and Required Length to be determined at Final Phase

**Driveway and Steel Plate Beam Guardrail between Stations 79+75.00 to 82+25.00



PROFILE GRADE
FA 595 (ROUTE 5)

APPROVED

OCT 1 8 2004

AS A BASIS FOR
PREPARATION OF DETAILED PLANS

DESIGNED	-	NDR
CHECKED	-	DSE
DRAWN	-	RTT
CHECKED	-	DSE
DATE	-	OCT 4, 2004

CROSS SECTION
RETAINING WALL D ALONG
IL ROUTE 5
FA 595 (IL ROUTE 5) SECTION 1-1
ROCK ISLAND COUNTY
STA 76+50.00 TO STA 82+75.00
STRUCTURE NO. 081-W006

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